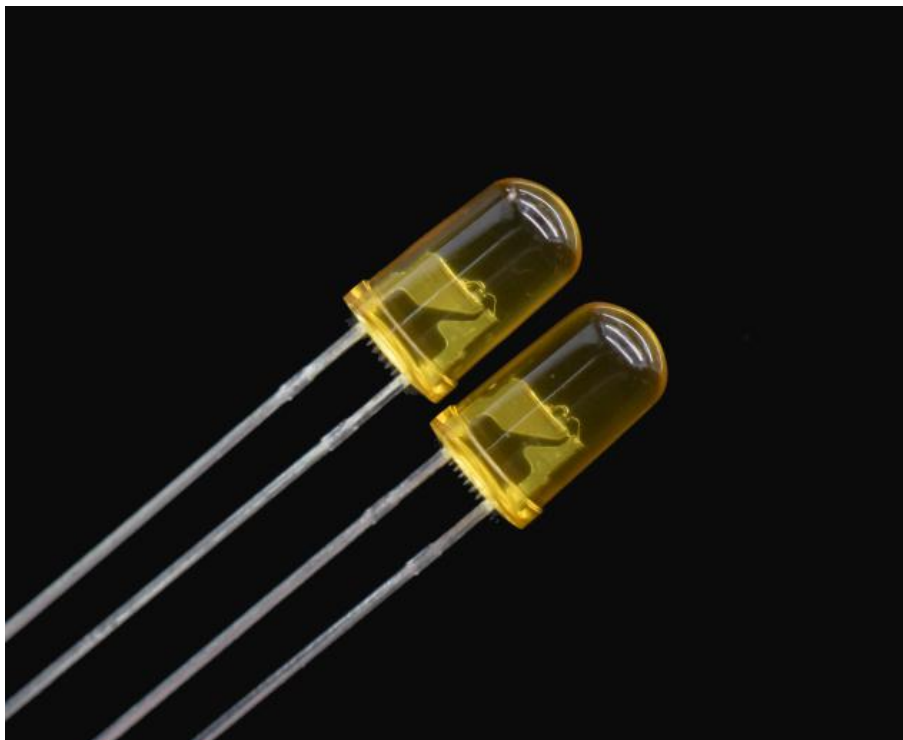





TOP LED:506UOD-IC (5mm through-hole LED - orange flashing)



	<p>ATTENTION OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES</p>
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CUSTOMER APPROVED SIGNATURES	SALES APPROVED	APPROVED BY	CHECKED BY	PREPARED BY

1. Features

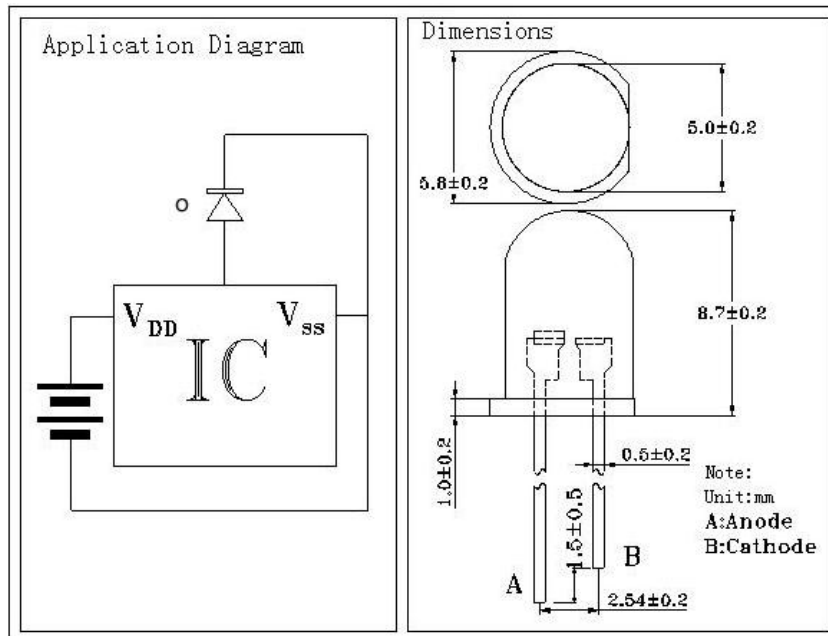
Light color: orange Color

Lens: orange diffused

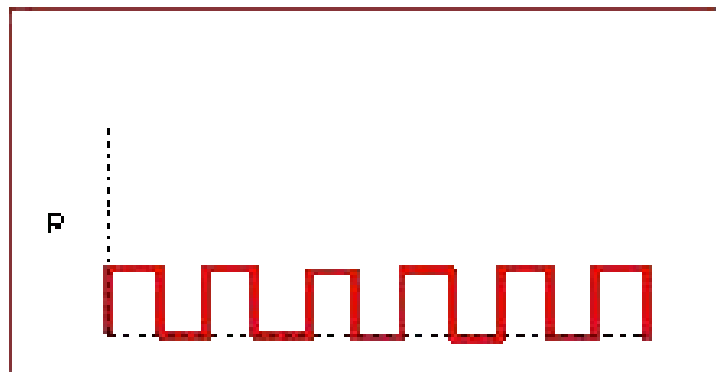
Absolute maximum rating (Ta=25°C)

- Reverse current: 40-100 μ A
- Peak current (duty=0.1,1KHz): 100 mA
- Operating/Storage temperature range: -30°C~+85°C
- Derating linear from 25°C: 0.4 mA/°C
- Lead soldering temperature range: 260°C for 5 second

2. Package Profile & Soldering PAD Suggested



Output Sketch Map



- Notes:
1. All dimensions are in millimeters ;
 2. Tolerance is ± 0.10 mm unless otherwise noted.



3. Electrical Optical Characteristics At Ta=25°C

ORANGE COLOR:

Parameter	Symbol	Min	Typ.	Max	Unit	Test Condition
Forward voltage	V_F	1.8	2.0	2.4	V	$I_F=20\text{ mA}$
Luminous intensity	I_V	150	250	350	mcd	$I_F=20\text{ mA}$
Peak emission wavelength	λ_p	600	605	610	nm	❖
Half intensity angle	$\Delta \ominus$	❖	30	❖	deg	❖

Direct Current Characteristics

Parameter	Symbol	Min	Typ.	Max	Unit	Remarks
Operating voltage	V_{DD}	3.0	3.3	5	V	❖
Driver Current	I_{ol}	❖	25	❖	mA	@ $V_{DS}=1.2V$
Power Consumption	P_o	❖	90	❖	mW	$V_{DD}=4.5V$
Flash Frequency	F_{td}	❖	1.5	❖	Hz	External $\pm 30\%$

*All specs and applications shown above subject to change without prior notice.